

→ Please return this page to
Gail Meredith.



Hot Plate at Pumpkin Hollow School
for Preparing Hot Lunches

Rural Service Section
Consumer Services Dept.
Wisconsin Power & Light Co.
P.O. Box 192
Madison, WI 53701

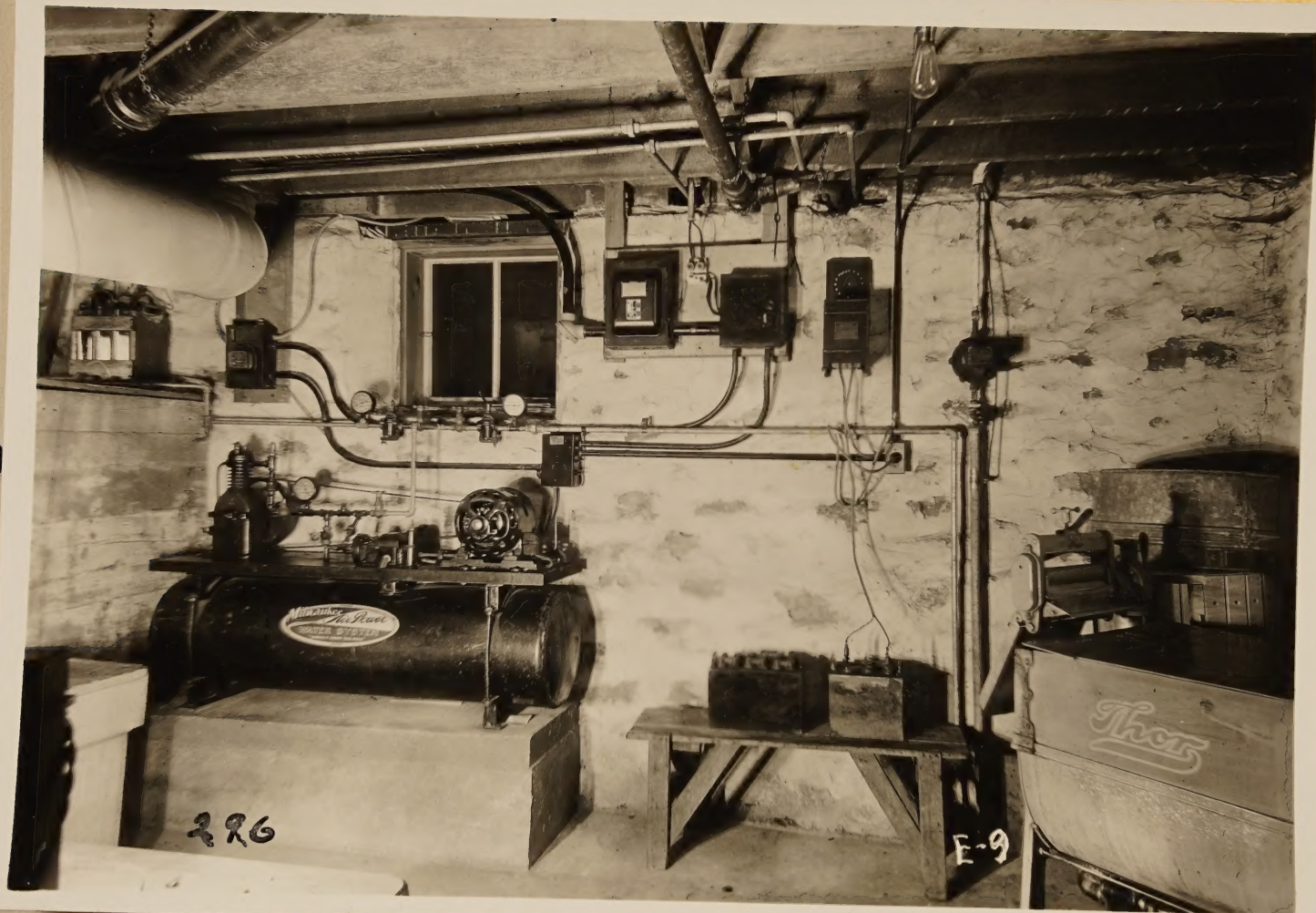


Pumpkin Hollow School

Don't use
this picture

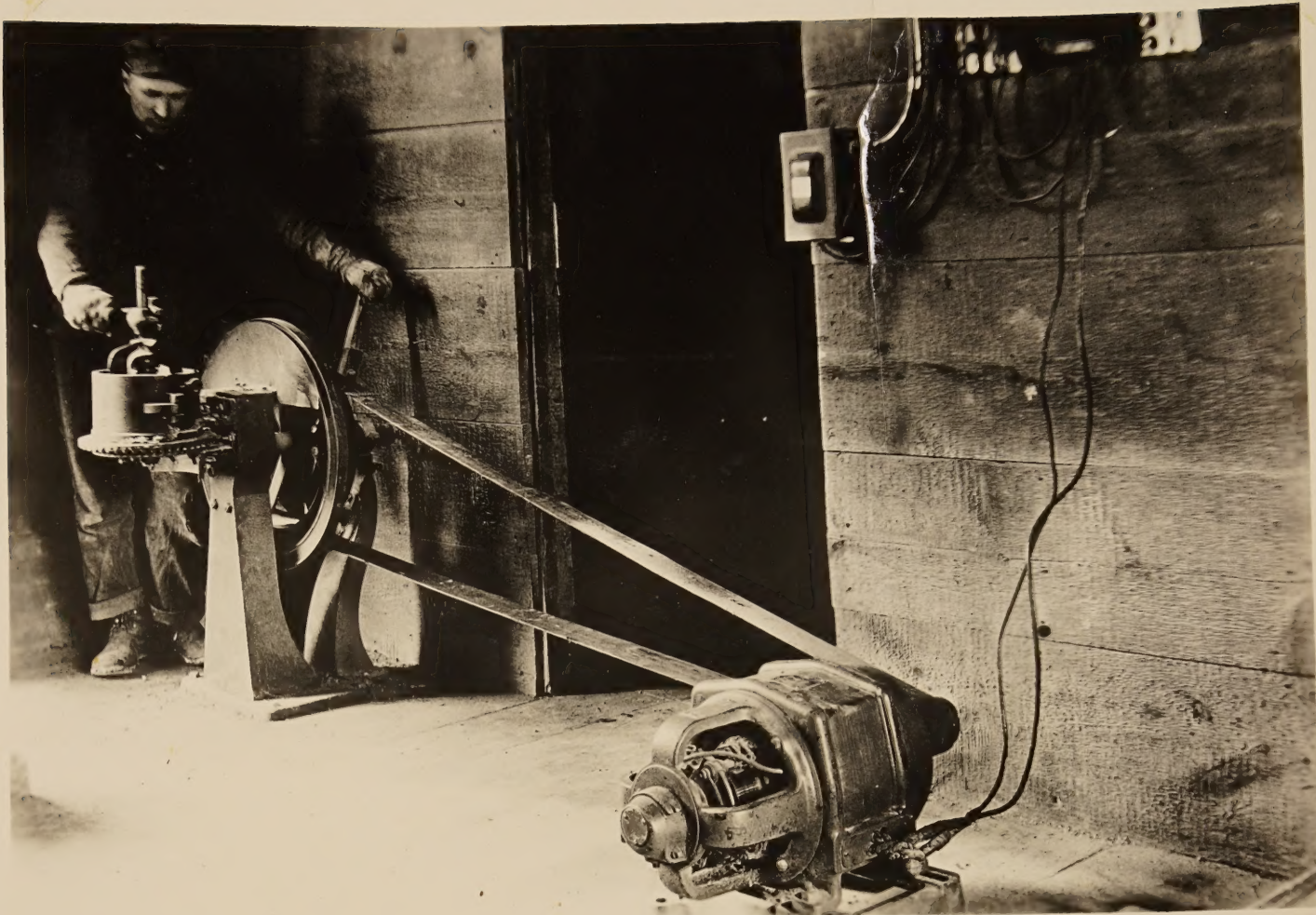
Loose print is new one
of the school.
O.B.M.

Pneumatic Water System





12. ... G. ...



Portable Blower



Hammer Feed Mill





Overhead Irrigation





Typical Wisconsin
Farmstead

Typical Rural Line

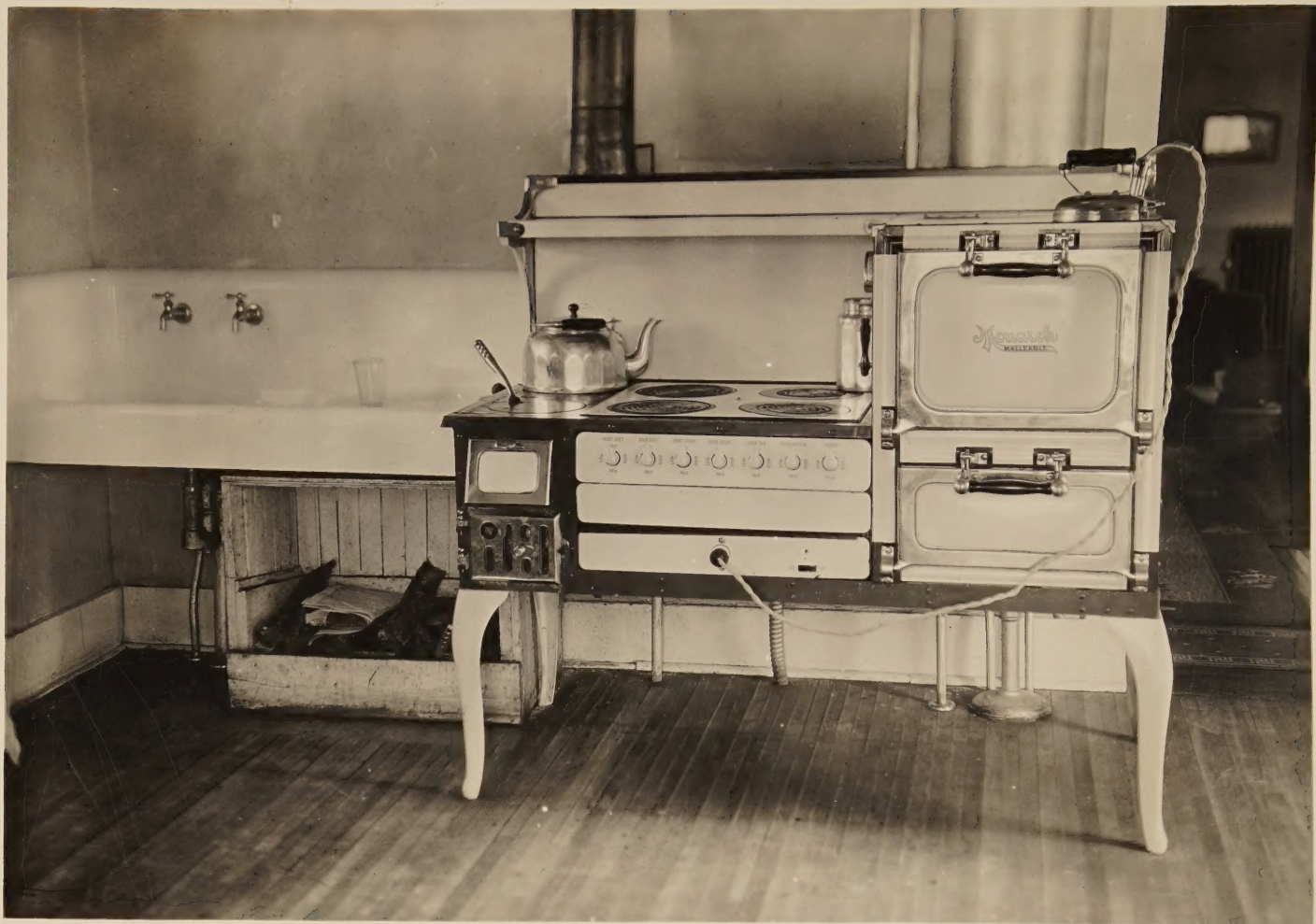




Harry Gilbert
Rural Service Man and the
Car in which He Travels
Along Farm Lines

A Typical Wisconsin Farm Which
Has Discarded the Individual Plant
for Central Station Service





The Firebox Attachment Adapts the
 Electric Range to Farm Conditions
 In a Year's Test a Similar Range With-
 out Firebox Consumed 166 Kw-hrs ^{per month} in
 Doing All the Cooking for a Farm
 Family of Six Persons

Electric Frying Pan and Base of
Electric Cooker. The Frying Pan Is
Extremely Convenient for Summer
Months, Making the Building of
Fire Unnecessary. The Cooker Is
Supplied with an Insulating Jacket
to Surround the Utensil on the
Plate





The General Utility Motor
Shown at the Left Performs
a Large Number of Varied
Kitchen Operations







The Dishwasher saves the Farm
Woman a Great Deal of Time

Fireless Cooker





Farm Women Enjoy the
Electric Waffle Iron

Farmers Also Enjoy the Convenience
of Toasters and Percolators





A Great Aid to Country
Housekeeping

*The Radio Is Popular
With Farmers*

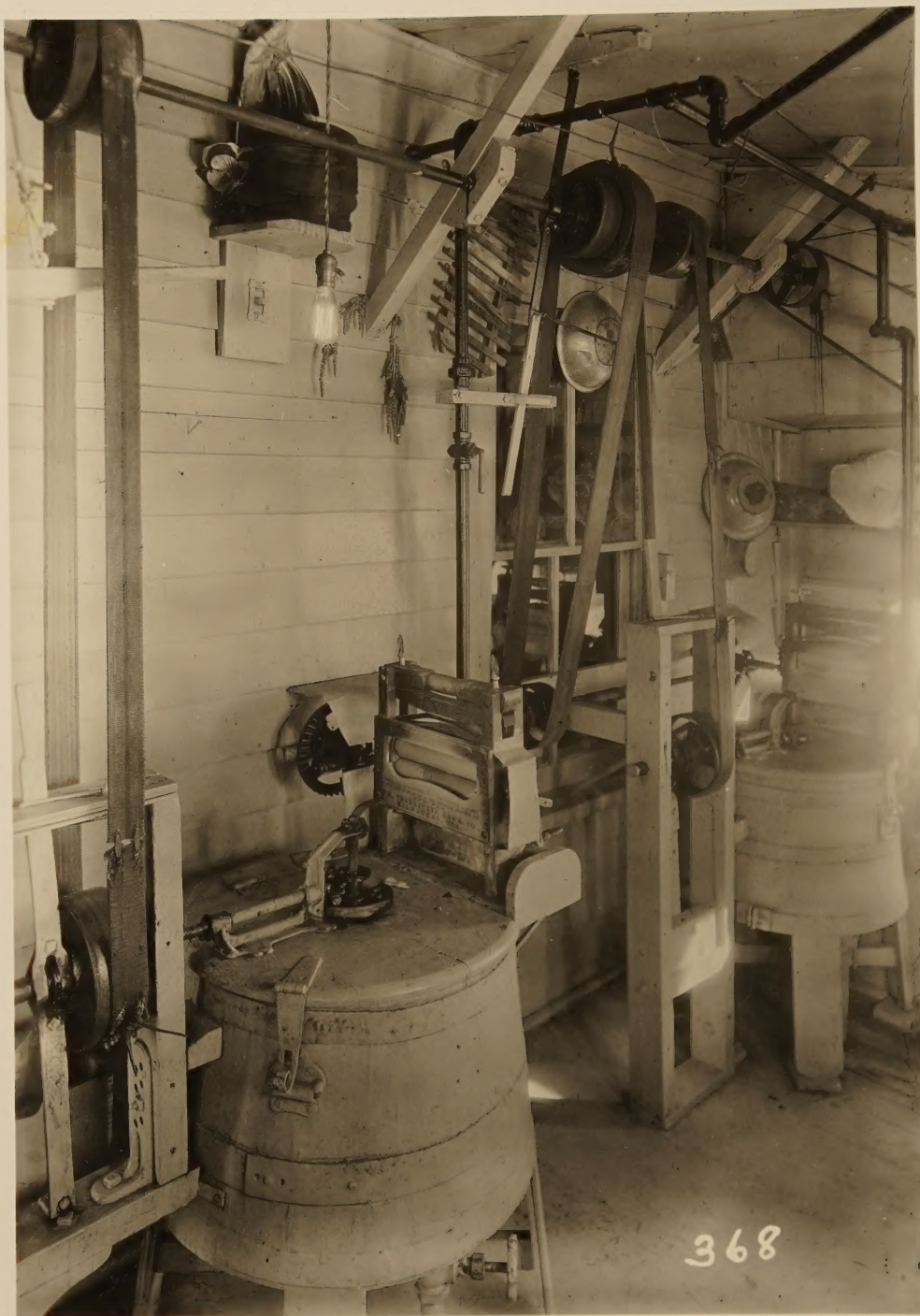




Modern Bathroom in Farm
Home Made Possible by
Electric Service

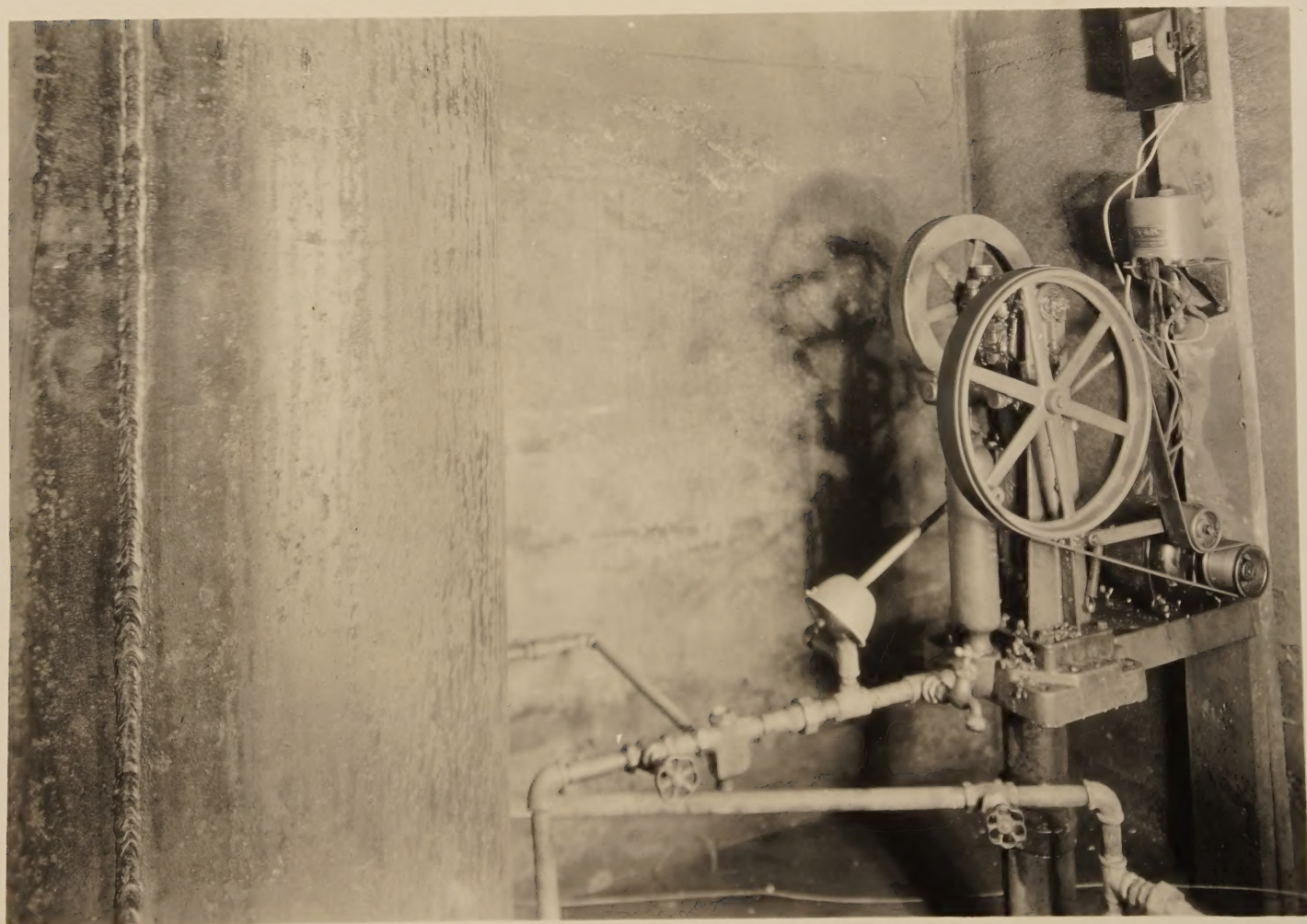
An Electric Radiant Heater
Bringing Comfort to the
Bathroom





Two Washing machines Operated
Through Line Shaft by Motor
in Separate Building. A Clutch
Is Provided for Each Machine.

The Automatic Deep Well Pump
Has a Place on Almost Every Farm.





The Country Woman Enjoys Her
Electric Curling Iron

Even the Small Hot Plate
Finds Favor in the Country

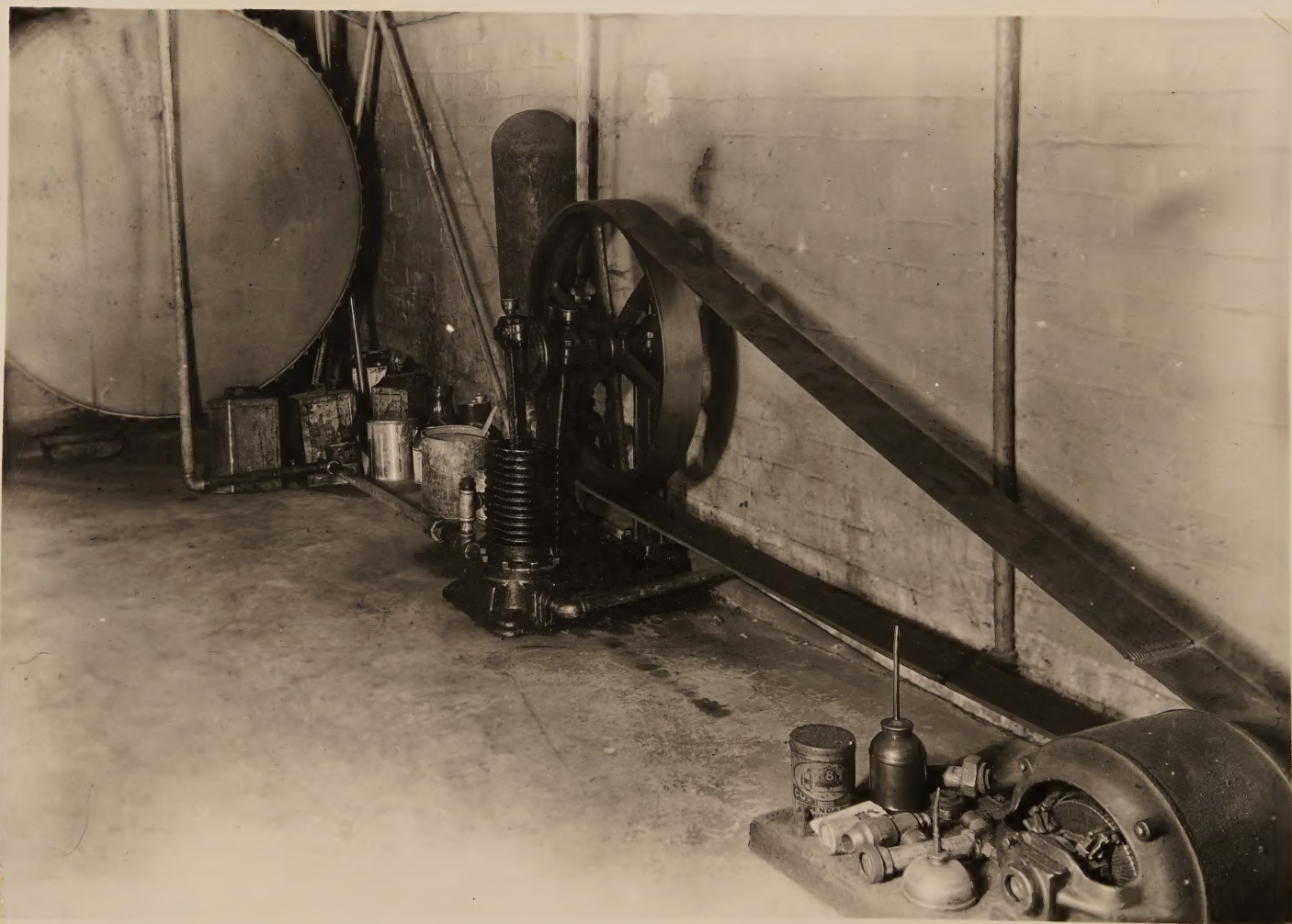


Mr. R. H. McCallister



For Approximately 125 kw-hrs.
a month, This Heater Supplies
Hot Water for the Entire House

One h.p. Motor and Air Com-
pressor Used for Farm Water
Supply

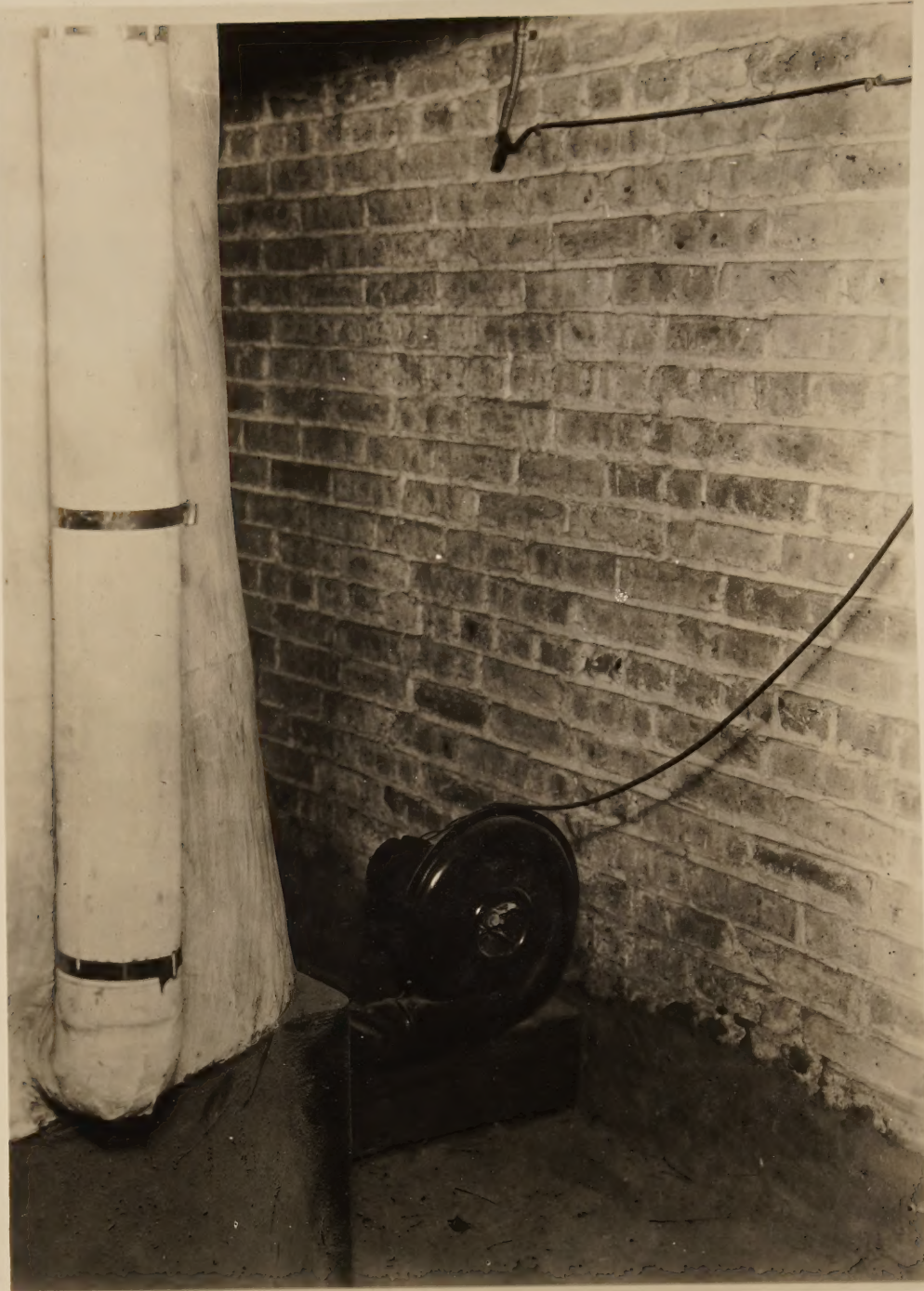




The Simplest Method of Applying
Electricity to the Farm Water
Supply

A Compact Motor-driven Pump
Jack with Protecting Housing

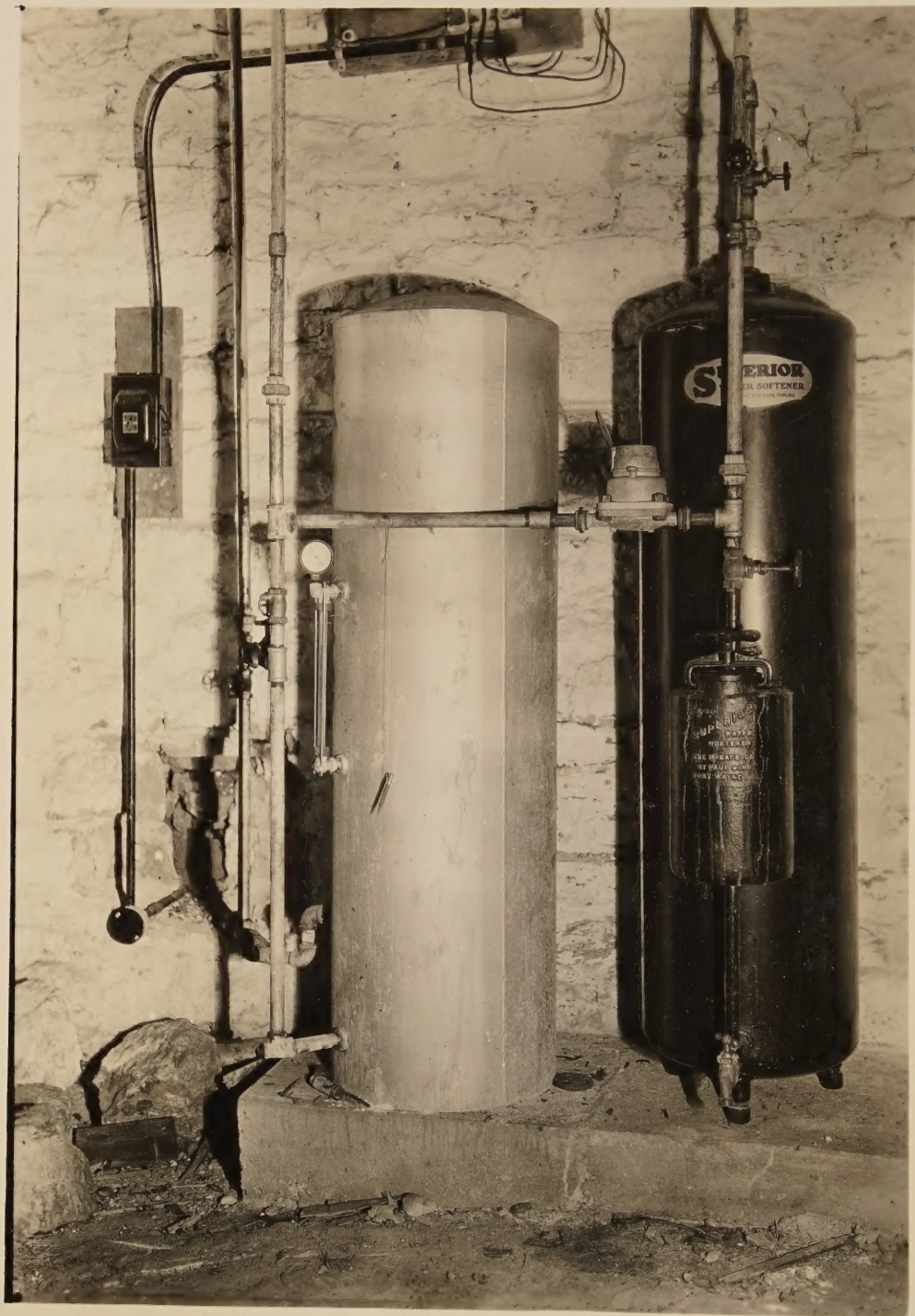




Small Blower Connected to Domestic
Furnace. Forced Draft makes
Possible the Use of the Small,
Cheap Size of Hard Coal. Claimed
to Have Saved Its Cost in One
Winter

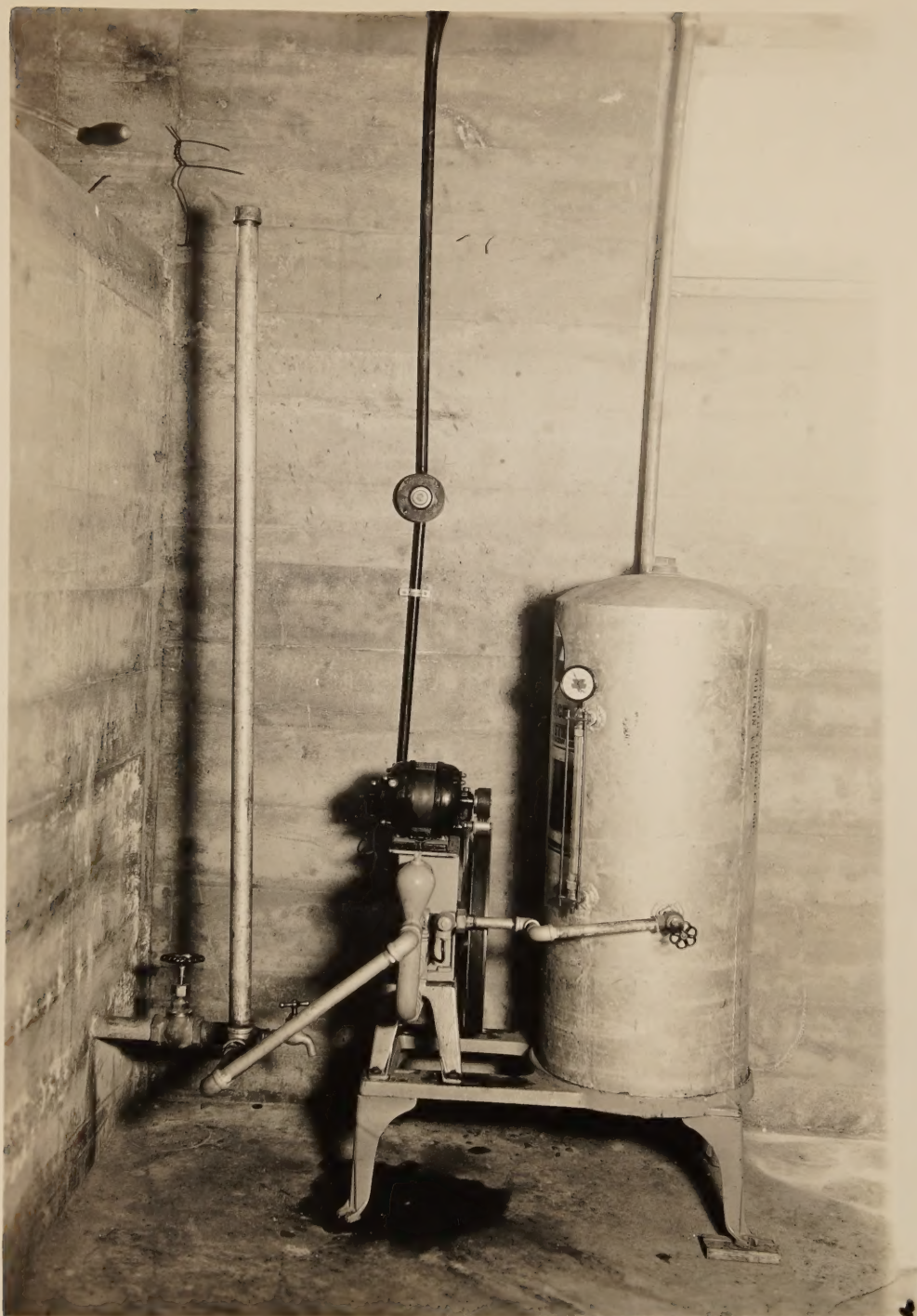
Oil Burner
in
Farm Home





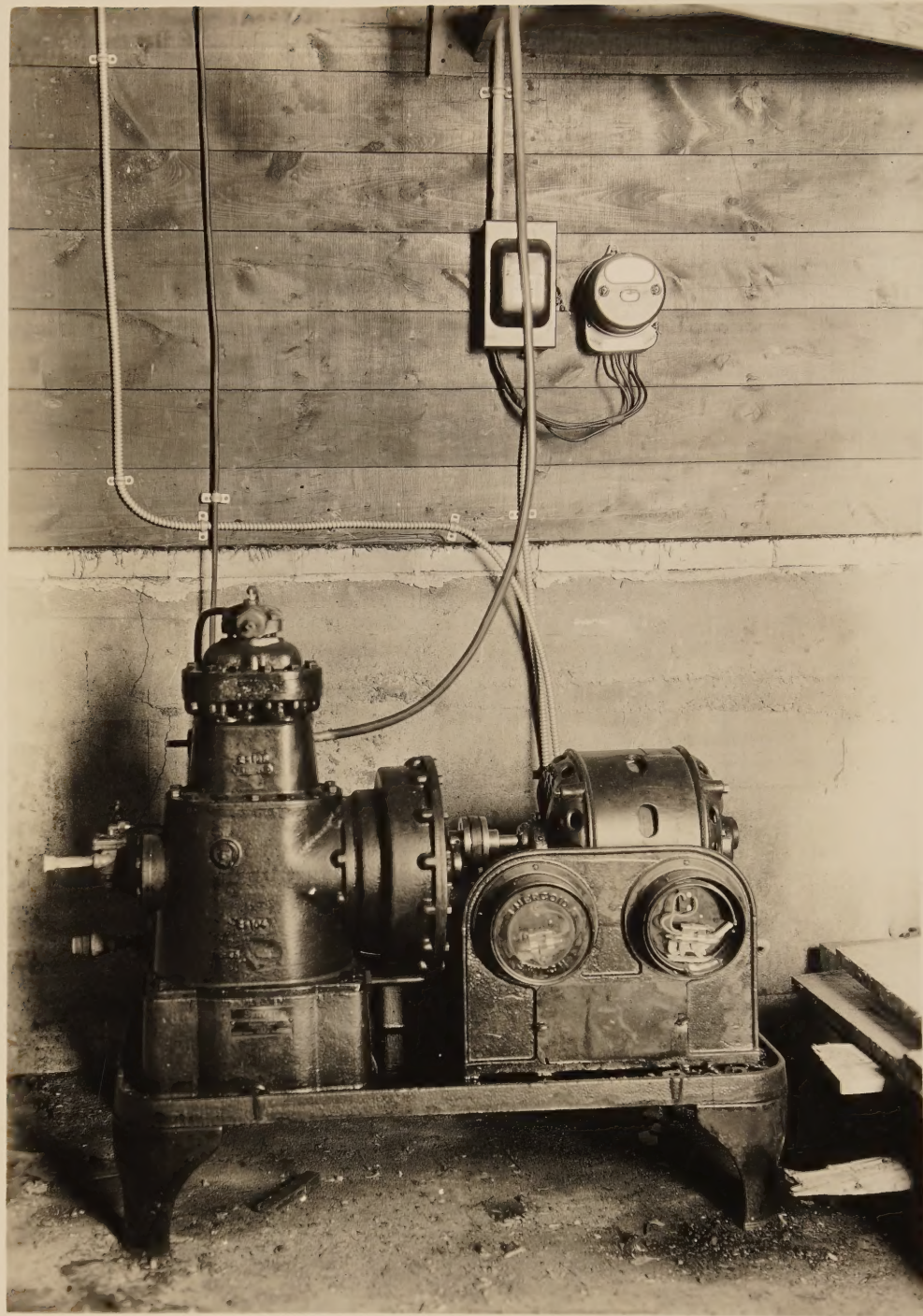
The Automatic Electric Water
System Makes Possible the
Use of a Water Softener on
the Farm

This Little Outfit Makes Soft
Water Available Throughout
the House





Line Shaft from Farm Shop Driving
Washing Machines, Wringer and
Pump at the House



A $\frac{1}{3}$ Ton Serval Refrigerating Unit
Driven by a $3\frac{1}{4}$ h. p. Motor Used
to Cool 8 to 10 Thousand Bottles
of Milk with a Consumption
of 150 to 250 kw-hrs. a mo.

ELECTRICITY FOR POULTRY

Bone Grinder

Brooder

Egg Candling

Incubation

Lighting for Brooder House

Lighting for Egg Production

Ventilation for Oil Heated

Incubator

VENTILATION FOR HOUSES

Room 1111

Room 1112

Room 1113

Room 1114

Room 1115

Room 1116

Room 1117

Room 1118

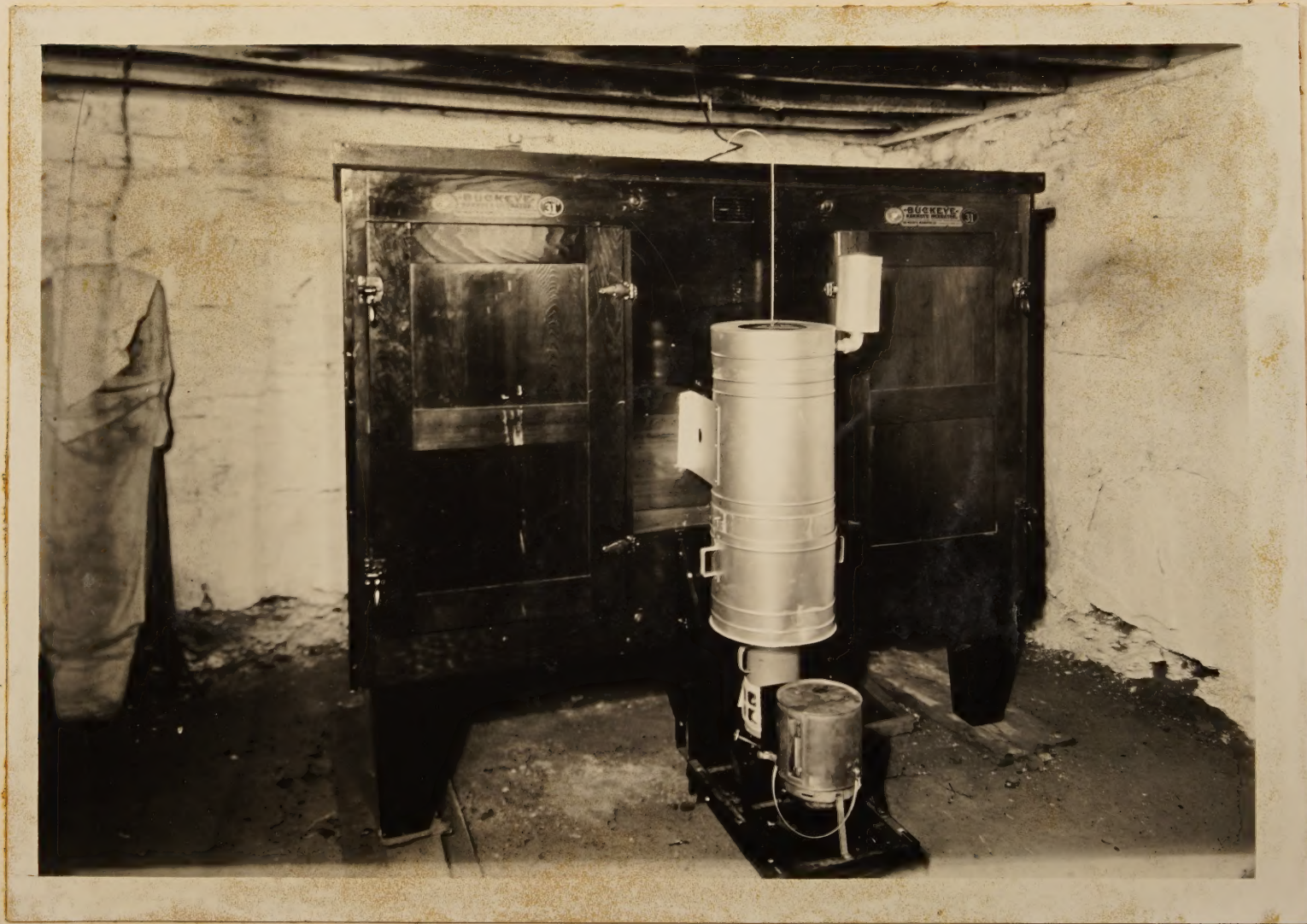


A Modern Hen House Electrically
Lighted for the Successful Pro-
duction of Winter Eggs

Electric Brooder



Oil-Heated Incubator of a Type Re-
quiring Electric Fan for Continuous
Ventilation





Electric Incubator Holding
150 Eggs. User well pleased.
Is Not Concerned About
Interruptions to Service.

ELECTRICITY IN THE DAIRY

Babcock Milk Tester

Bottle Capper

Bottle Washer

Cow Clipper

Cream Separator

Lighting for Barn

Milk Bottler

Milk Cooler

Milking Machine

Refrigerator

Ultra Violet Ray Machine

Ventilation for Barns

Water Heater

PROPERTY OF THE U.S. ARMY

Barber Milk Tank

W. L. Cooper

Walter Weber

Gov. Lippert

Green Separator

Lighting for Barn

Milk Bottler

Milk Cooler

Milking Machine

Refrigerator

Ultra Violet Ray Machine

Ventilation for Barn

Water Heater



Pine Tree Milkers in a
Round Dairy Barn.

Cream Separator Driven by $\frac{1}{4}$ h. p.
motor. Milking Machines Complete
with Motor and Vacuum Pump
on Cover of Pail. $\frac{1}{4}$ kw-hr. per 100 lbs.
of Milk will Operate these Milkers.





This Barn Fan Adds to the Com-
fort of Men and Cattle During
Hot Weather

This Water Heater at the Barn
Provides Hot Water for Washing
Dairy Utensils Without Fire
Hazard

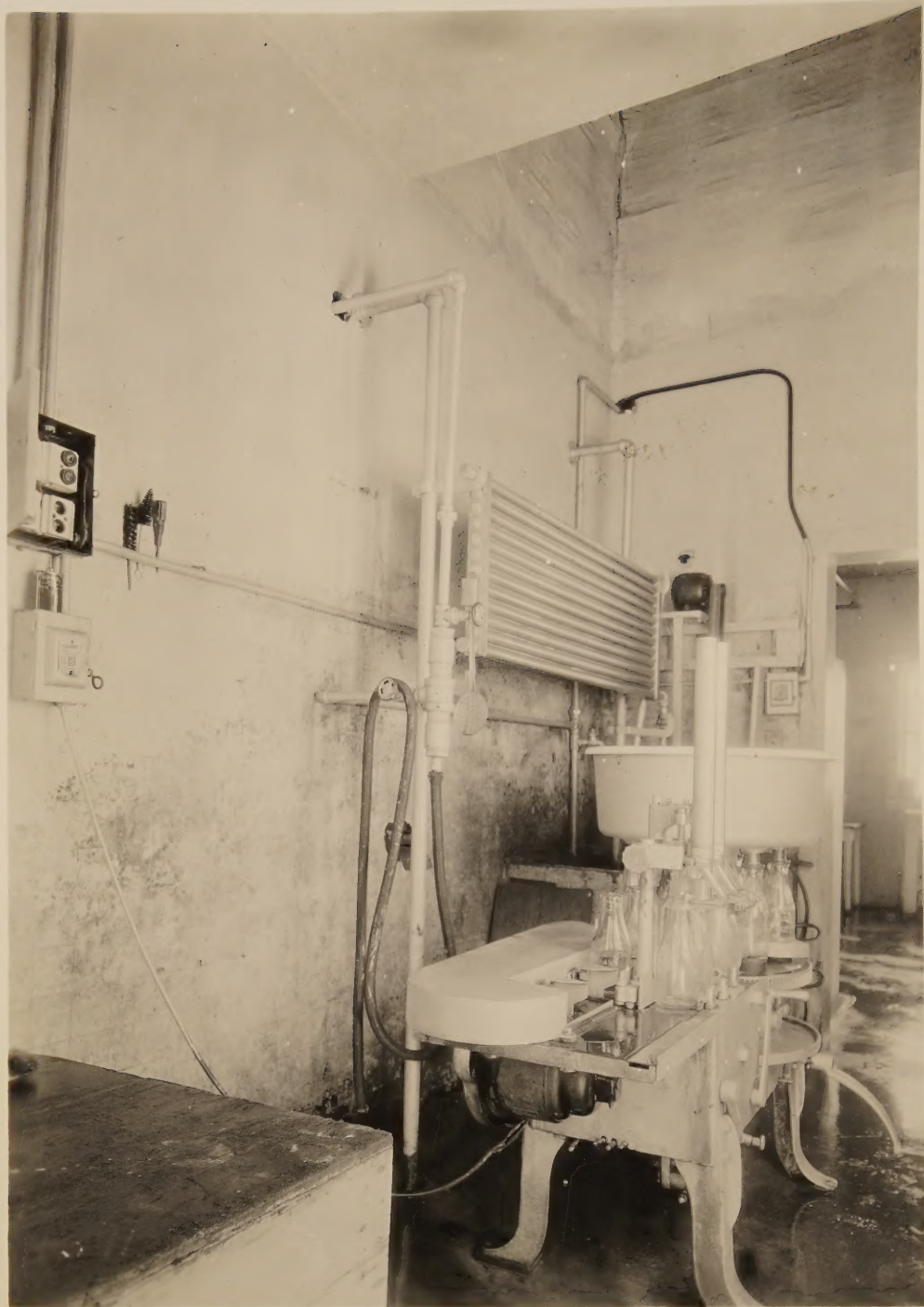




For the Babcock Milk Test,
Electricity Supplies the
Necessary Heat and also
Drives the Centrifuge.

This Machine Washes 350 to 400
Bottles per Hour. One Kw-hr.
of Energy Washes 1700 to 2000
Bottles





Motor - Driven Bottler in Modern
Dairy Room. Surface Type Cooler
and Aerator Showing in the
Upper Part of the Picture

Bottle Capper and Separator
Operated from Line Shaft. Surface
Type Cooler and Bottler in the
Background





Ultra-Violet Light Apparatus
Used for Treating Dairy Cows

ELECTRICITY IN THE FARM SHOP

Concrete Mixer

Drill Press

Emery Wheel

Grindstone

Portable Drill

Power Augur

Sawing Lumber

Soldering Iron

Wood Lathe

UNIVERSITY OF MICHIGAN

Journal of the

Michigan State

Survey

of the

Michigan State

Survey

of the

Michigan State

Survey



Motor-driven Saw Used in Making Farm
Repairs. The Window Is Opened When
Long Pieces are Sawed

Ott. Anne



Corner of Farm Shop Showing Power
Driven Drill and Small Emery Wheel.
A Home-made Wooden Friction Clutch
Is Shown at the Center of the Picture



Electric Soldering Iron
Very Convenient in
making Repairs

Another Farm Shop Showing
Emery Wheel and Drill Press
Operated from Line Shaft.





Easy Work with an
Electric Drill

Motor-driven Grindstone Keeps
Tools Keen



ELECTRICITY FOR GENERAL POWER ABOUT THE FARM

Grinding

Buhr Mill

Corn Sheller

Corn Shredder

Hammer Mill

Handling Grain

Elevating Grain

Fanning Mill

Grain Bagger

Grain Grader

Hay Hoisting

Sawing

Silo Filling

Threshing

Tobacco Drying

DEPARTMENT OF AGRICULTURE

Grain

Bar Mill

Corn Sheller

Corn Shredder

Shredder Mill

Handling Grain

Elevating Grain

Grain Mill

Grain Box

Grain Sifter

Hay Wrecker

Grain

Grain Milling

Grain

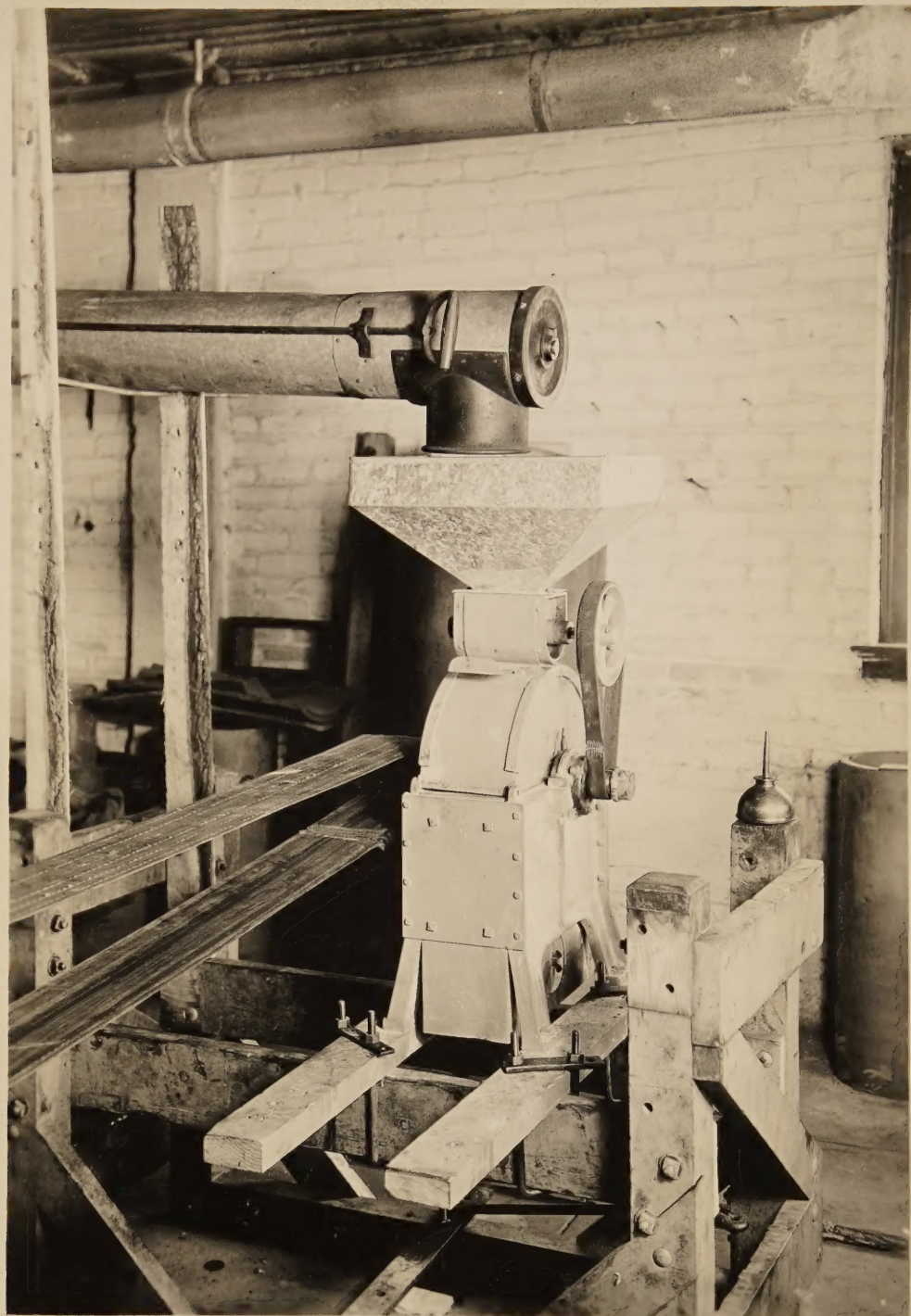
Grain Traying



Cleaning Grain by Motor Saves the Time
of One Man at a Power Cost of Less
Than 5 Cents per 100 Bushels.

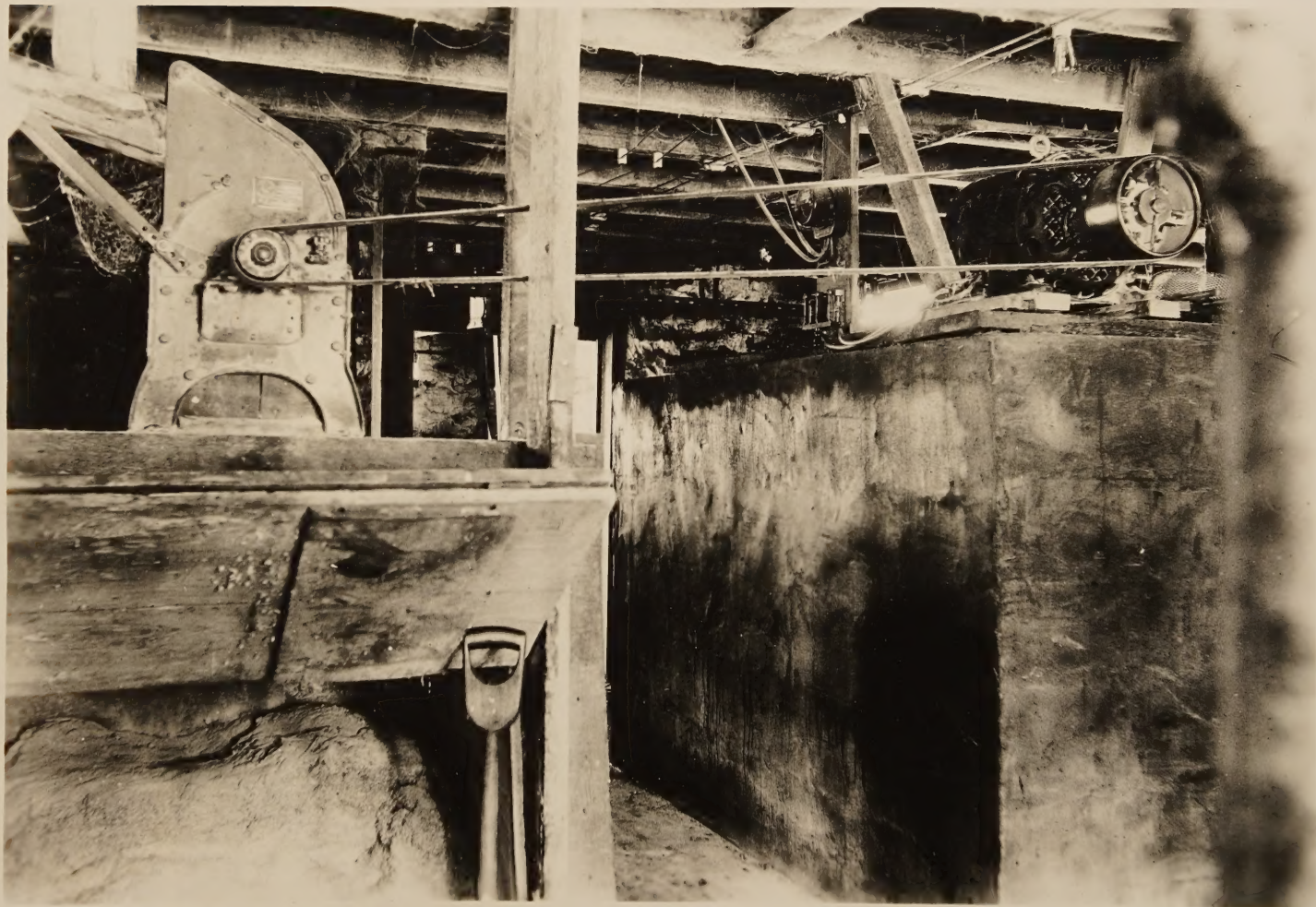
Grain Grader and Bagger. Can Be Operated
with a $\frac{1}{4}$ h. p. Motor and will Handle
100 Bushels of Grain per kw-hr.

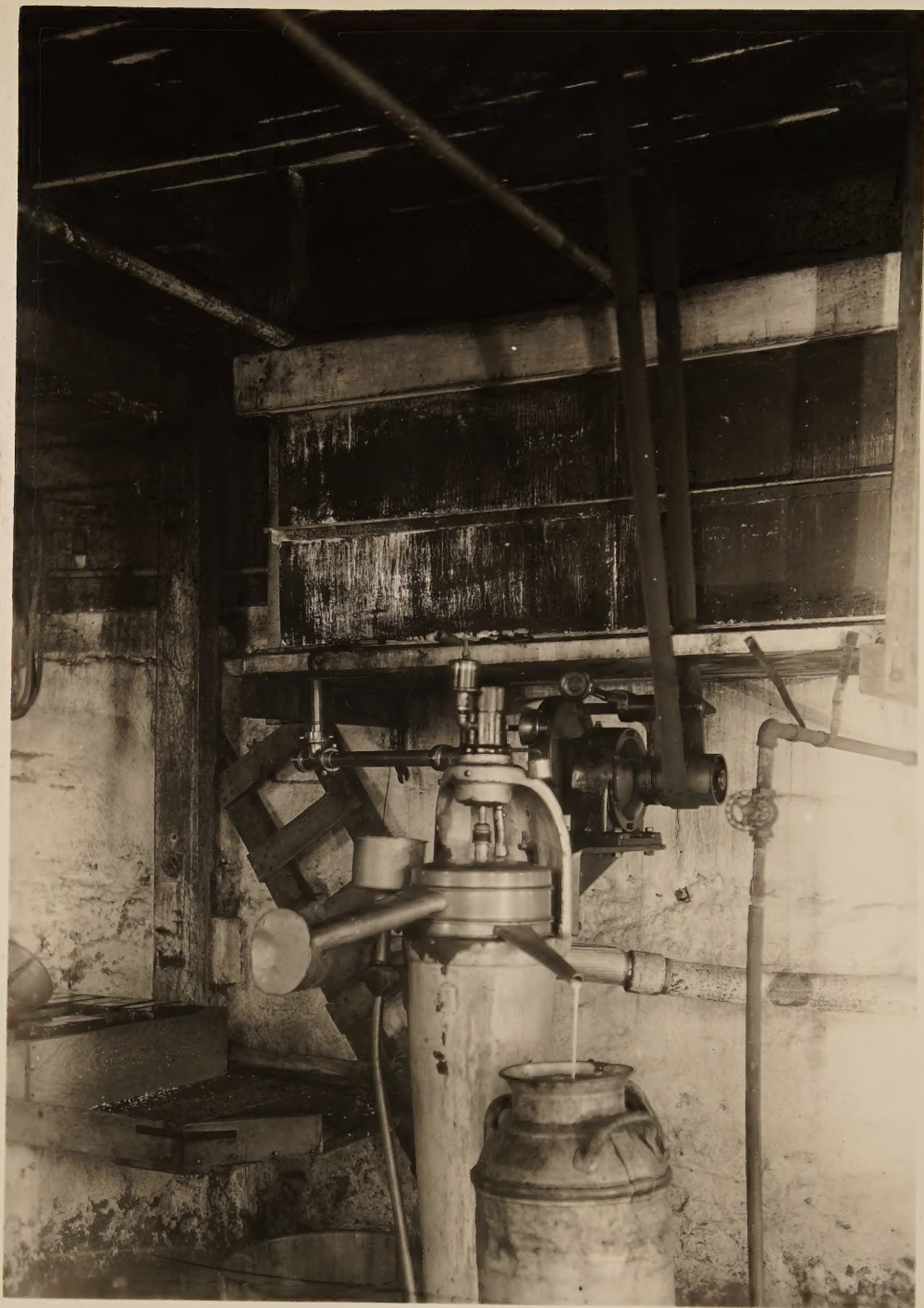




A Hammer Mill under Test at
the University of Wisconsin.
This Mill Can Be Operated Suc-
cessfully by a 3 h. p. Motor.

Hammer Mill and Motor So Mounted
That a Man May Easily Pass Under
the Belt. Grain Enters Mill from Bin
Above. Shovelled from Bin Below
Directly into Mangers.





Centrifugal separator for
Extracting Butter Fat from
Whey at Cheese Factory.
Operated from Line shaft
Driven by Motor

Electric Piano Installed in
Small Country Dance Hall



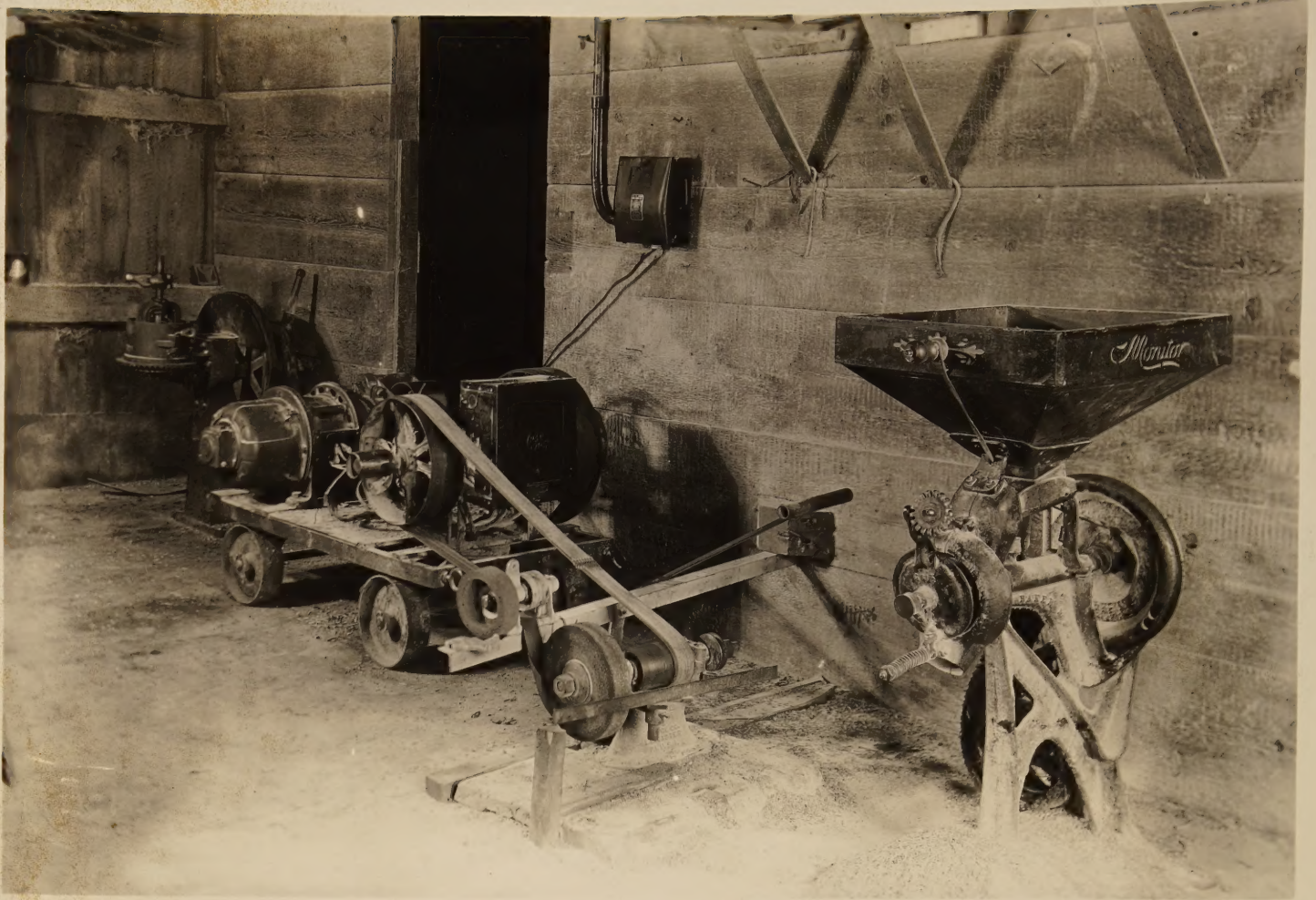
Between Oregon & Evansville
on U.S. #1



This Arrangement of Motor-Driven
Mill with Hopper Bin Above
Was Devised by an Ingenious
Farmer

Home-made Concrete Mixer Using 1 h.p.
Motor. Used on Rainy Days and at
Slack Times for Making Concrete
Fence Posts





General Electric Utility Motor. The Feed
Grinder, Bone Grinder and Emery
Wheel Can Be Operated Without Moving
the Motor.

Small Motor Arranged to Drive
Pump Jack, Grinder and Meat
Chopper



THE ELECTRIFICATION OF RURAL INDUSTRIES

Agitator for Cheese Vat	Honey Extractor
Air Compressor	Horse Radish Shredder
Band Saw in General Repair Shop	Ice Cream Cabinet
Blacksmith Shop	Lighting Rural Signs
Cheese Box Making	Malted Milk Mixer
Cheese Hoist	Meat Grinder for Fox Farm
Churn in Creamery	Milk Pump in Creamery
Cigar Lighter	Motor-driven Pasteurizer
Coffee Grinder	Mustard Mill
Country Garage	Pea Viner
Curd Mill	Player Piano
Custom Grist Mill	Sand Hoist
Drainage for Cheese Factory	Sand Mixer
Filling Station	Whey Pump for Cheese Factory
Whey Separator for Cheese Factory	

THE INVESTIGATION OF RURAL INDUSTRIES

Director for Cheese Factories

Forse Medical Director

Band 22 to General Society

Director for Cheese Factories

Director for Cheese Factories

Director for Cheese Factories

Director for Cheese Factories

Director for Cheese Factories

Director for Cheese Factories

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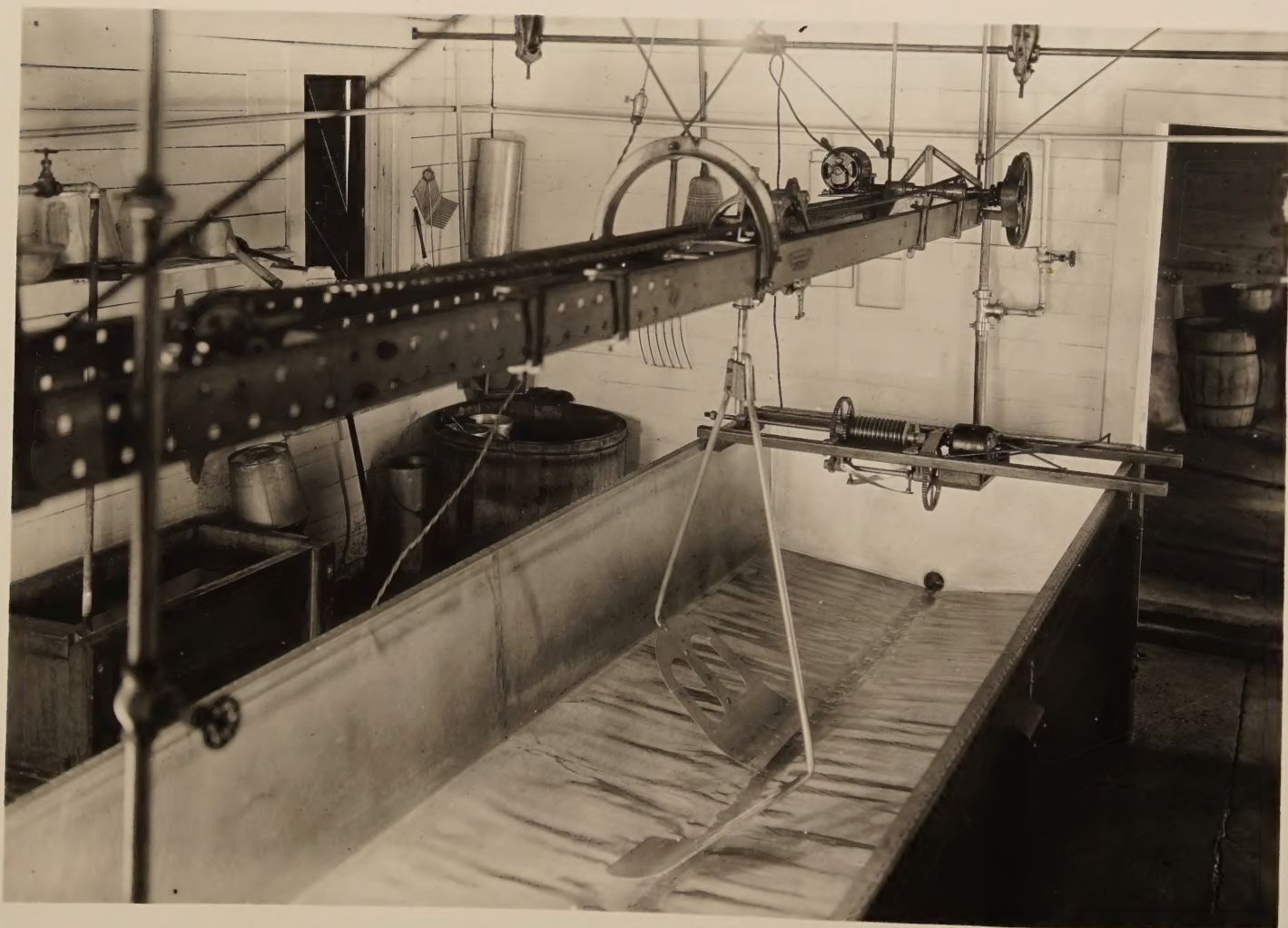
Director for Cheese Factories



The Motor Is a Neat, Sanitary
Source of Power for Rural
Creameries

Halifax Prairie City Co.
Iowa

Cheese Factories Use Electric Power
for Stirring Milk in the Vats
and for Cutting Curd into
Small Pieces





Electric Power Used for Grinding
Mustard and Shredding Horse
Radish

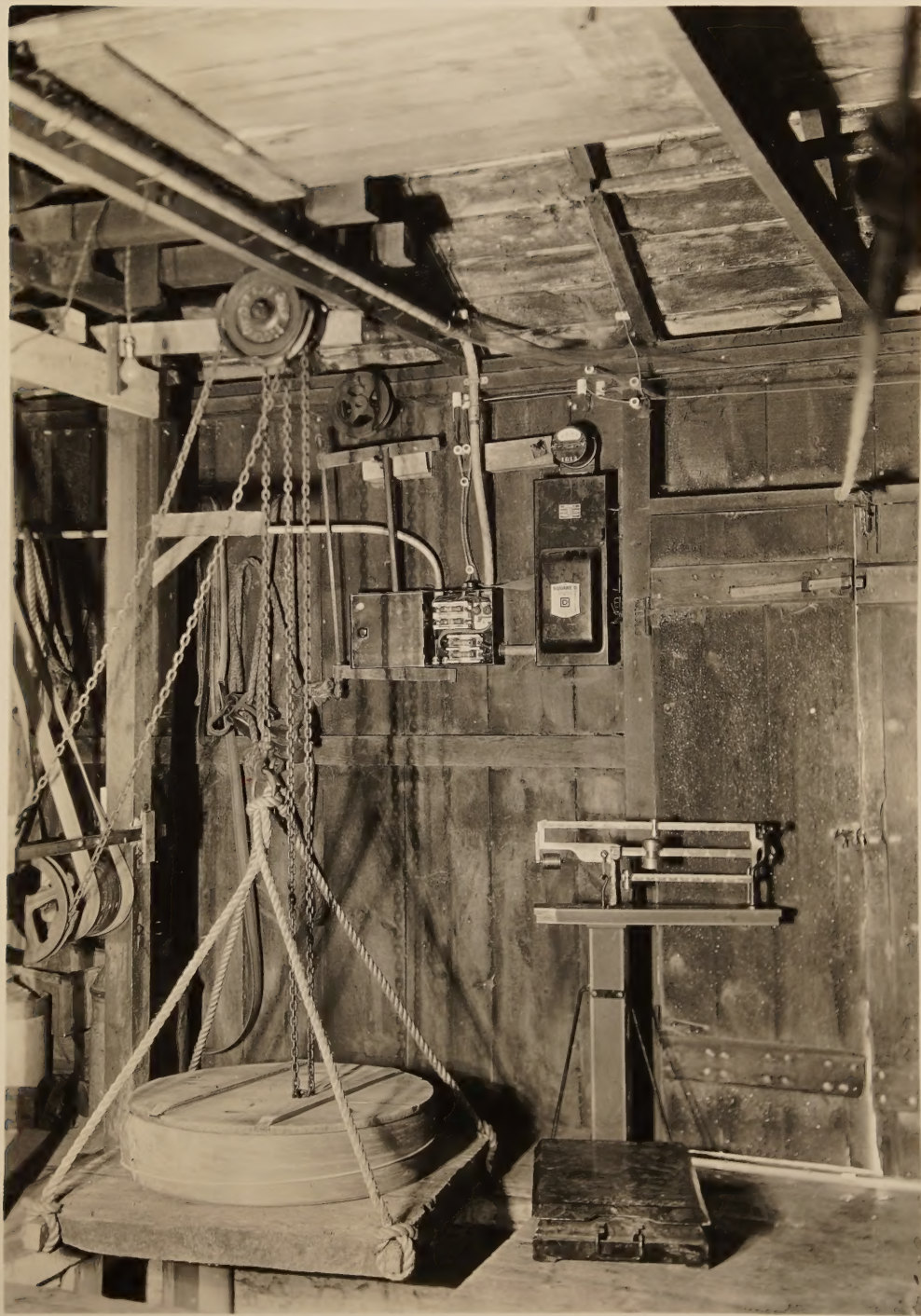
Milk Pasteurizer with Motor-
Driven Agitator





Interior of Typical Swiss Cheese
Factory. The Line Shaft Is Driven
by the Motor at the Left.

Home-made Device for
Hoisting Cheese from the
Storage Cellar





Home-made Band Saw in
Cheese Factory Successfully
Used in Cutting Out Stock
for Circular Cheese Boxes

Motor-driven Hoist and Mixer
for Handling Moulding Sand





Typical Country Store and
Filling Station

A Garage in the Country
Enjoying the Advantages
of Electricity





Honey Extractor Used by Farmer
Who Keeps Bees

McGinnety
Ginnety

Two Motors Running in Opposite
Directions Supply Power for this
Custom Grist Mill





Electric Ice Cream Cabinet
in Remote Country Store

Hope Store

Coffee Grinder in
Country Store



ELECTRICITY IN RURAL CHURCHES AND SCHOOLS

Lighting

Heating System Motor in School

Hot Lunch

ALTERNATIVE TO RURAL DEVELOPMENT AND ECONOMIC

Planning

Heating System for the

Hot Water

1910

1910



A Well-Lighted Rural School





Typical Country Church
Using Electric Service

H. H. H.

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